

What is claimed is:

CLAIMS

1. A method of disposing a substrate in a housing, the method comprising:
 - projecting a laser line onto a side of substrate from a laser line generator angled away from a viewing source;
 - projecting a laser dot onto the substrate from a laser dot generator located above the viewing source;
 - verifying an alignment of the substrate with at least one of: another substrate and a housing by comparing the laser line projection on the substrate to the laser dot projection on the substrate, wherein the alignment is verified when the laser line projection and the laser dot projection are co-linear; and
 - stuffing the substrate into the housing.
2. The method of Claim 1, wherein the laser dot generator is positioned at an angle alpha of less than or equal to about 15° away from the viewing source.
3. The method of Claim 1, wherein the laser dot generator and the laser line generator are positioned at angles delta and beta of about 40° to about 50° relative to a horizon.
4. The method of Claim 1, wherein the laser dot generator is positioned at an angle theta of about 80° to about 100° relative to the laser line generator.
5. The method of Claim 4, wherein the angle theta is about 85° to about 95°.
6. The method of Claim 1, further comprising wrapping a retention material around the substrate.

7. The method of Claim 1, wherein the laser dot generator is positioned at an alpha angle of less than or equal to 15° away from the viewing source; wherein the laser dot generator and the laser line generator are positioned at angles delta and beta of about 40° to about 50° relative to a horizon; and wherein the laser dot generator is positioned at an angle theta of about 80° to about 100° relative to the laser line generator.

8. The method of Claim 1, wherein the viewing source is a vision system.

9. The method of Claim 1, wherein the substrate comprises a non-cylindrical geometry.

10. The method of Claim 1, further comprising adjusting the alignment of the substrate when the laser line projection and the laser dot projection are within a predetermined variance of being co-linear.

11. A method of disposing a substrate in a housing, the method comprising:
projecting a laser line onto a side of at least two substrates from a laser line generator;
verifying an alignment of the at least two substrates from a viewing source; and
stuffing the at least two substrates into a housing.

12. The method of Claim 11, further comprising adjusting the alignment of the at least two substrates when the alignment is beyond a predetermined variance.

13. The method of Claim 11, wherein the laser line projected onto the side of the at least two substrates is perpendicular to a joint of the at least two substrates.

14. The method of Claim 11, wherein the laser line generator is positioned at an angle kappa of about 40° to about 50° relative to the viewing source.

15. The method of Claim 14, wherein the angle kappa is about 42° to about 45°.

16. The method of Claim 11, further comprising wrapping a retention material around the at least two substrates.

17. The method of Claim 11, wherein the at least two substrates comprises a non-cylindrical geometry.

18. The method of Claim 11, wherein the viewing source is a vision system.

19. A system for disposing a substrate in a housing, comprising:
a laser dot generator positioned at an angle delta of about 40° to about 50° relative to a horizon;
a laser line generator positioned an angle beta of about 40° to about 50° relative to the horizon and at an angle omega of about 80° to about 100° relative to the laser dot generator;
a viewing source positioned at an angle alpha of less than or equal to about 15° relative to the laser dot generator; and
a stuffing cone disposed downstream of the laser dot generator.

20. The system of Claim 19, wherein the viewing source is a vision system.

21. A system for disposing a substrate in a housing, the system comprises:
a laser line generator;
a viewing source positioned at an angle kappa of about 40° to about 50° relative to the laser line generator; and
a stuffing cone disposed downstream of the laser line generator.

22. The system of Claim 21, wherein the viewing source is a vision system.